

* Some of the contents in this manual may differ from your phone, depending on the software installed or your service provider.

SAMSUNG

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SAMSUNG

PORTABLE CELLULAR TELEPHONE

SCH-N171

User's Manual



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Quick Safety Guide

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see “Health and Safety Information” on page 113.

Road safety comes first

Do not use a hand-held mobile phone while driving; park the vehicle first.

Switch off when refuelling

Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off on aircraft

Mobile phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital

Follow any regulations or rules. Switch phone off near medical equipment.

Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Interference

All wireless phones may be subject to radio interference, which may affect their performance.

Radio frequency exposure information

In August 1996, the Federal Communications Commission (FCC) of the U.S. adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. The design of this phone complies with the FCC guidelines and these international standards.

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the SAMSUNG-supplied or approved carrying case, holster, or other body-worn accessory.

If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.5cm) from your body when transmitting. Use of non-approved accessories may violate FCC RF exposure guidelines.

Use sensibly

Use only in the normal position (to ear). Do not touch the antenna unnecessarily when the phone is switched on.

Accessories and batteries

Use only SAMSUNG-approved accessories and batteries.

Use qualified service

Only qualified service personnel must repair equipment.

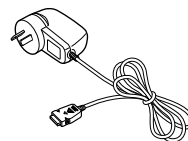
Unpacking

Your package contains the following items.

Handset



Travel Charger



Battery



User's Manual

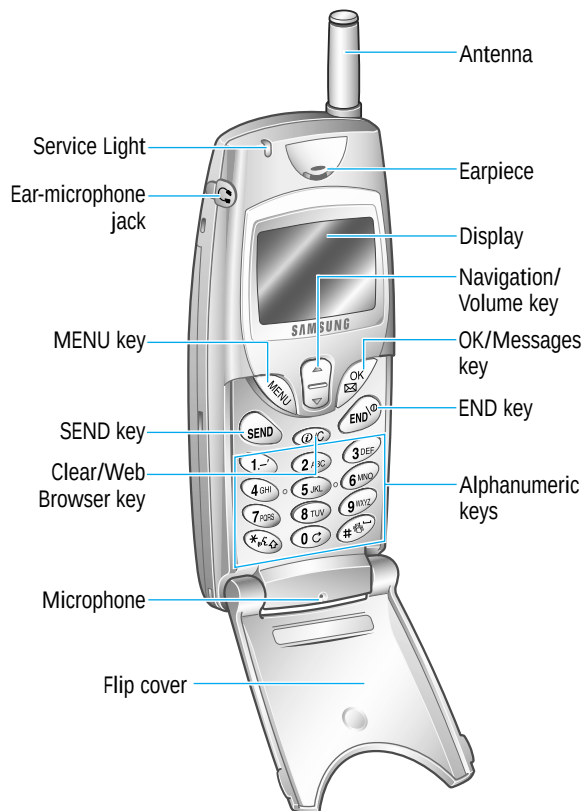


In addition, you can obtain the accessories for your phone from your local SAMSUNG dealer. For information on the accessories, see page 112.

Your Phone

Phone Layout

The following illustrations shows the main elements of your phone.



Keys Functions



Enters the main menu facility.



In the menu facility, confirms the selection and input.

In Standby mode, enters the Message Service menu.



In the menu facility, scrolls through the menu options and Phonebook memory, and selects a menu function.

In Standby mode, adjusts the ringer volume. When pressed and held, allows you to search for an Phonebook entry by its entry number or name respectively.

During a call, adjusts the earpiece volume.



Makes or answers a call.

In Standby mode, recalls the last number dialed.



Deletes characters from the display.

In the menu facility, returns to the previous menu level.

When pressed and held in Standby mode, quickly launches the web browser.

Keys Functions (continued...)



Ends a call. Also switches the phone on and off when pressed and held.
In the menu facility, cancels your input and returns to Standby mode.



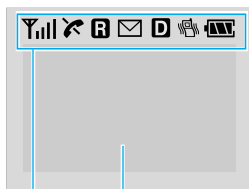
Enters numbers, letters and some special characters.



Use these keys for various purpose in different functions.

Display

The display comprises two areas: an upper line of static icons, and the lower text and graphic area. The following icons display at power-on:



Icons

Text and graphic area



Signal strength : Shows the received signal strength. The greater the number of bars, the better the signal strength.



Service: Appears when a call is in progress.



No service: Appears when you are outside a service area. When it appears, you cannot make or receive calls. Wait a little while for a signal or move into an open area.



Roaming: Appears when you are out of your home area and have registered with a different network (when travelling in other countries, for example).



New Message: Appears when a new message has been received.



Digital mode: Indicates your phone is operating in digital mode.



Vibrator: Appears when manner mode is switched on or the ringer type is set to **Vibrator**. An incoming call will vibrate the phone rather than ring it.



Battery strength: Shows the level of your battery power. The more bars you see, the more power you have left.

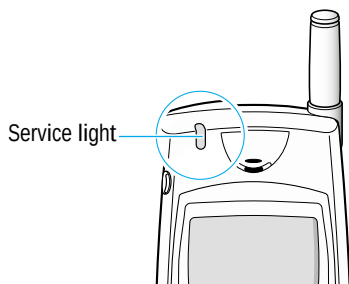
Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the Backlight option set in the Display menu. The backlight remains on at all times when the phone is connected to a Hands-Free Car Kit (optional).

To specify the length of time for which the backlight is active, set the **Backlight** menu (**Menu 6-1**); see page 85 for further details.

Service Light

The service light is at the top left of the phone. It flashes to indicate incoming call or message. Also, the service light flashes for a few seconds when you turn on the phone.

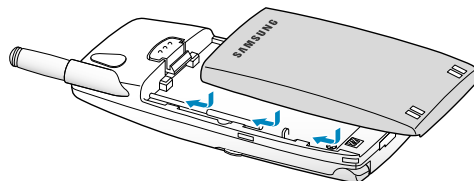


Getting Started

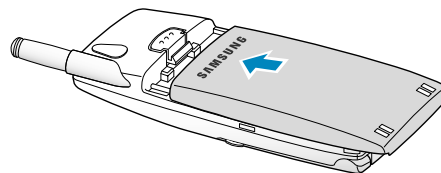
Installing Battery

To Install the Battery

1. Insert the tab on the base of the battery into the notches on the base of the phone, as shown.

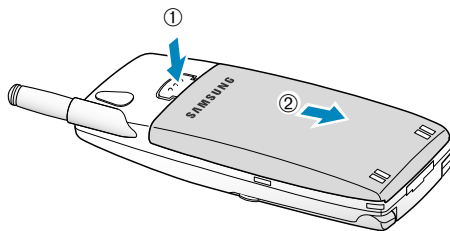


2. Slide the battery toward the top of the phone until it snaps into place.



To Remove the Battery

1. If necessary, switch off the phone by pressing and holding down .
2. Press the catch toward the top of the phone and hold it in the position (①) then slide the battery away (②).



Charging a Battery

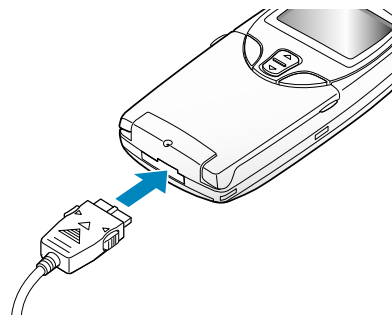
Your phone is powered by a rechargeable Li-ion battery.

A travel charger is provided with your phone. Use only SAMSUNG-approved batteries and chargers. Ask your local SAMSUNG dealer for further details.

Note: You must fully charge the battery before using your phone for the first time. The phone can be used while the battery is charging.

1. With the battery in position on the phone, Connect the lead from the travel charger to the bottom of the phone.

Check that the arrow on the lead connector is facing towards the front of the phone.

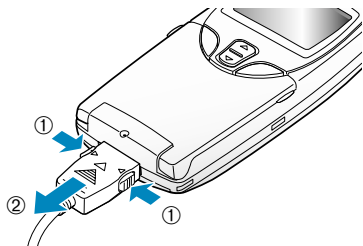


2. Connect the charger to a standard AC wall outlet.

While charging, the battery icon in the top right-hand corner of the display repeats filling and emptying itself until charging is completed.

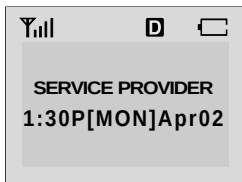
- When charging is finished (the battery icon becomes solid), disconnect the charger from the power outlet.

Disconnect the charger from the phone by pressing the gray tabs on either side of the connector (①) and pulling the connector out (②).



Low Battery Indicator

When the battery charge level is almost empty and only a few minutes of talk time remain, an empty battery icon (no bars displayed) blinks in the upper right corner of the screen. You will hear a warning tone.

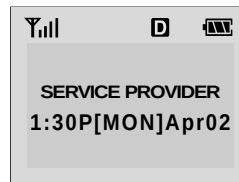


When the battery becomes too weak for the phone to operate, it switches off automatically with the warning message "LOW BATTERY WARNING! Phone turning Off".

Switching the Phone On/Off

- Open the flip cover.
- Press  to switch the phone on.

The service light of the phone flashes, and an alert sounds. When the system locates services, the greeting message displays along with the date and time. You can now place and receive calls.



- If the phone is out of service, the No Service indicator  appears in the display. In this case, you cannot place and receive calls. You can try again later when the service is available.
 - If your phone is locked (**Menu 0-1** on page 99), the Lock icon  appears. Press , and enter the four-digit lock code to unlock the phone.
- When you wish to switch the phone off, press and hold down  until the power off animation begins to play.

WARNING!

Do not switch on the phone when the mobile phone use is prohibited or when it may cause interference or danger.

Note: As with any other radio-transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Your Phone's Modes

Standby Mode

Standby is the most basic state of your phone. The phone goes into Standby mode soon after you turn it on, or whenever you briefly press . When your phone is in Standby mode, you will typically see the greeting message and current date and time. If you enter a phone number, you can press  to dial it, or press  to save it in the internal Phonebook.

Press  at any time to return to Standby mode. Be careful; if you are on a call when you press , you will return to Standby mode, but it also disconnects the call. Press  several times or hold it down to return to Standby mode without ending the call.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing  gives you a list of options referred to as “In-Use Menu Options.” See page 34 for details on the options.

Power Save Mode

Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 10 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display will let you know when your phone is operating in Power Save Mode.

Call Functions

Making a Call

In Standby mode, enter the area code and phone number, and press . The phone places the call to the entered phone number.

When entering the phone number, pressing  allows you to access the Dial options.

Send: dials the phone number.

Save: allows you save the phone number you entered in the Phonebook.

Find: allows you to find the phone number from the Phonebook.

Hard Pause: allows you to enter a hard pause. See page 25 for details on pause dialing.

2sec Pause: allows you to enter a 2-second pause. See page 25 for details on pause dialing.

Notes:

- When you enter the numbers used for memory location (1 through 100), the **Speed Dial** option is available. See page 23 for details on speed dialing.
- Depending on the service provider, the **4-Digit Searching and Dial** option is available when you enter the four digits. Using this option, you can find the stored number using the four digits which the number contains and dial it. See page 28 for details on 4-digit searching and dialing.

Correcting the Number

To clear...

Then...

The last digit displayed

Press .

The whole display

Hold down  for more than one second.

Ending a Call

When you have finished your call, briefly press .

The call time (length of call) displays with the name (if saved in Phonebook) and number of the call party. If the number is not stored in your Phonebook, your phone prompts you to save the number. Press  to save the number. If you do nothing, the phone automatically returns to Standby mode after about ten seconds.

Or, simply close the flip cover.

Emergency Dialing

You can place calls to hard-coded emergency numbers and one of the three numbers in your priority number list depending on your service provider even if your phone is locked. For more details on priority numbers, see page 101. To dial emergency number in Lock mode, enter the desired one of the emergency numbers and press .

Prepend Dialing

The **Prepend** option enables you to add up to three digits, such as area codes and network feature activation codes, to a phone number. You can prepend an existing entry in the Phonebook or Call Logs before dialing.

To prepend existing phone numbers in the Phonebook or Call Logs:

1. Access the phone number entry.
2. When the desired phone number displays, press  to access the options.
3. Press  (in Call logs) or  (in Phonebook) to select **Prepend**, or press  or  to scroll to the Prepend option and press .
4. Enter the area code or feature code.
5. When the correct number displays, press  to dial the number.

Redialing Last Number

To redial the last number you called, press  twice.

The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows.

1. If necessary, press  to return to Standby mode.
2. Press  to access the list of last-dialed numbers.
3. Press  or  to scroll through the Redial list until the required number is displayed. Then press  to dial the displayed number.

Speed Dialing

Once you have stored phone numbers in the Phonebook memory (001 through 100), you can dial them easily whenever you want. See page 61 for details on storing phone numbers.

One-Touch Dial

Memory locations 001 through 009 are special one-touch locations. Press and hold the last digit of the memory location containing the number to be dialed.

For example: Location no. 009

Press  and hold.

The number (and name) stored is displayed then dialed.

Two-Touch Dial

Memory locations 010 through 099 are special two-touch locations. Press the second digit briefly then hold down the third digit of the memory cell.

For example: Location no. 023

Press  briefly and hold down .

The number (and name) stored is displayed then dialed.

Three-Touch Dial

Memory location 100 is a special three-touch location. Press the first and the second digit briefly then hold down the third digit of the memory cell.

For example: Location no. 100

Press  and  briefly and hold down .

The number (and name) stored is displayed then dialed.

Note: When several numbers are saved in one location, only the phone number which is specified with **Set Speed Dial** option will be automatically dialed (The first-saved number is automatically set as the speed dial number for the location.). For details, refer to Options in “Find Name” under **Phone Book** menu on page 58.

Pause Dialing

When you call automated system, like banking services, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Phonebook, separated by special characters called pauses.

There are two kinds of pauses that can be entered on your phone:

- **Hard pause:** A hard pause stops the dialing sequence until you press .
- **Two second pause:** A two second pause stops the dialing sequence for two seconds and then automatically sends the remaining digits.

Note: Multiple two second pauses can be entered to extend the length of a pause. For example, two consecutive two second pauses cause a total pause time of four seconds. However, keep in mind that pauses count as digits towards the 32 digit dialing maximum.

Storing Pauses in a Phonebook Entry

To store a number in your Phonebook that contains pauses:

1. Enter the phone number you want to store (such as the bank's teleservice phone number).
2. Press . The Dial options display.

3. Press  or  to enter the desired pause.
 - Press  for **Hard Pause**. The letter “p” displays in the number, meaning that a hard pause will occur at that point in the dialing sequence.
 - Press  for **2sec Pause**. The letter “T” displays in the number, meaning that a “Timed” pause will occur at that point in the dialing sequence.
4. Enter the digits that need to follow the pause (such as your account number).
5. Store the number in your Phonebook as you normally would by pressing  and following the screen prompts.

Pause Dialing from a Stored Phonebook Entry

1. Dial the number from the Phonebook.
2. If you stored the number using a two second pause(s), your phone transmits the number that follows the “T” pause two seconds after connection.

If you stored the number using a hard pause(s), wait for the appropriate prompt from the number you are calling (credit card number, back account number, etc.). When prompted, press  to send the DTMF number that follows your hard pause.

3. “SENDING DTMF” flashes on the display and the transmitted tone sounds.

Manual Pause Dialing

You can enter pauses manually using the Dial options during the dialing process.

1. Enter the phone number of the service you want to call (such as a bank's teleservice phone number).
2. Press  to display the Dial options.
3. Press  for **Hard Pause**. The phone displays a “p” meaning a hard pause. Enter the number to be sent after the pause and then press . After connecting, press  again to transmit the additional number.

Press  for **2sec Pause**. The phone displays “T” meaning a timed pause. When prompted, Enter the number to be sent after the pause and then press . The phone transmit the number that follows the pause two seconds after connection.

Four-Digit Searching and Dialing

This feature allows you to enter any four consecutive digits of a stored phone number, have your phone remember the rest of the number and then dial the entire number for you. This feature is convenient if you have the number memorized, but you have forgotten what Phonebook location the number is stored in.

1. Enter any four digits of a phone number that you have stored in Phonebook.

If you press  right after entering 4-digits, the phone dials only the entered number.

2. Press , scroll to **4-Digit Dial** by pressing  or  then press .

3. Press . The phone automatically dials the entire number.

Note: If your Phonebook has more than one phone number stored that contains the four digits, “Wait” displays and all numbers containing those four digits will be listed. Scroll through the listed phone numbers using  or  to select the desired number.

Voice Dialing

Before using the Voice dialing feature, you must record the name and number in your phone using the **Voice Dial** menu. For further details, see page 88.

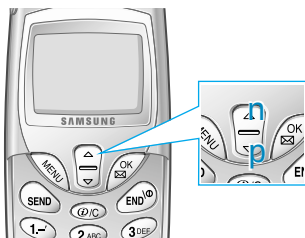
Note: The voice dialing feature does not work when your phone is in analog mode.

1. To place a call, press and hold , or open the flip, depending on the **Set Active** menu (**Menu 7-4**). See page 90.
2. At the voice prompt, say the name into the microphone.
 - if the phone recognizes the name, the phone attempts a connection.
 - If the phone does not recognize the name, the screen prompts for the name again.
 - If the phone is unable to recognize the name after two attempts, the message **Cannot Recognize Name. Please check name** is displayed. Try the call again later, or check the recorded name.
3. The phone dials the corresponding number.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys.

Press  to increase and  to decrease the volume. The illustration shows the volume level. The more bars you see, more louder the volume is. No bar means that the the volume is turned off.

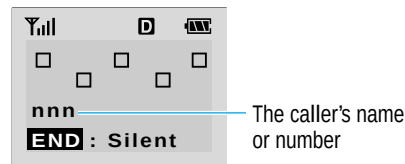


In Standby mode, you can adjust the ringer volume using these keys.

You can also change the settings for the ringer volume using the main menu. See page 79.

Answering a Call

When somebody calls you, the phone rings and you can see the following screen.



If the caller can be identified, the caller's phone number (or name if stored in your Phonebook) is displayed. Pressing  mutes the ringer. If the caller cannot be identified, 'Blocked ID' displays.

1. Simply open the flip cover to answer the call. If the cover is already open when a call comes in, press .

If the **Answer Mode** menu option (8-4) is set to **By SEND Key**, you can answer a call only by pressing .

If the menu is set to **By Any Key**, you can answer a call by pressing any key except . For details on the Answer Mode menu, see page 92.

2. End the call by closing the flip cover or pressing .

Note: You can answer a call while using the Phonebook or menu features. Your setting will be interrupted.

Caller ID Display

The Line Identification service tells you who is calling you by displaying the caller's number when the phone rings. If a caller's name and number are stored in your Phonebook, the name and number are displayed alternatively interval of 3 seconds. If you call someone who has this feature, your phone number will be displayed on the other party's phone.

Note: For further details on how to subscribe or cancel the Line Identification service, contact your service provider.

Viewing Missed Calls

Your phone keeps a list of calls that you do not answer when the phone is on and service is available. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, a Missed Call Log entry is created, and the screen displays the phone number of the most recent missed call.

Press  to call the displayed number, or  to save the number in Phonebook.

To view the missed calls, refer to “Missed” (**Menu 1-3**) on page 56.

Dropped Calls

A dropped call can occur during a conversation in response to a signal fade or leaving a service area. In this case, the call ends and “Call Dropped” or “Signal Faded” displays.

Press  to clear the message and return to Standby mode.

Failed Calls

A failed call can occur if your phone is out of calling range or the network is temporarily busy. Your phone responds to a failed call by displaying an appropriate message: “Call Failed Out of Range.”, “Call Failed Network Busy” or “Signal Faded.”

When you receive a failed call alert, cancel the call attempt and return to Standby mode by pressing  or  and then try the call again later.

In-Use Menu Options

Your phone provides a number of functions that you can use during a call. You cannot utilize all of these functions at all times. Many of the In-Use Menu Options are network services.

Press  during a call to choose some or all of the following In-Use Menu options:

Mute/Unmute: allows you to switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

Calls: allows you to access the **Calls** menu.

Phone Book: allows you to access the **Phone Book** menu.

Silent Key: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerized telephony systems, the **Silent keys** option must be disabled.

Send Tel #: sends DTMF tones of your phone number.

My Phone #: shows your phone number.

Version: allows you to view the software and hardware version of your phone.

Call Waiting

This feature allows you to receive a second call during conversation. When the second call comes while you are connected to the first party, the incoming call alert sounds and a text notification that you have a waiting call displays. Contact your service provider to activate or deactivate the Call Waiting feature.

To answer a Call Waiting call:

1. To answer the call, Press . The phone connects the calling party, and places the current party on hold.
2. Press  again to switch between two parties.

Note: If you do not respond to a Call Waiting notification, the phone logs the call in the Missed Calls Log and then sends the call to Voicemail.

Call Forwarding

This feature allows you to forward all of your incoming calls to another phone number, even if your phone is switched off. When Call Forwarding is used, you can still make calls from your phone. Contact your service provider to activate and use the Call Forwarding feature.

Three-Way Calling

This feature allows you to talk with two different person at the same time. You will be charged normal air time rates for each of the two calls and your phone records each called party in the Outgoing Call log. Contact your service provider to activate the Three-Way Calling feature.

During a three-way call, if one of the callers hangs up, you and the remaining caller will stay connected. If you initiated the call and you hang up first, all three parties are disconnected.

1. During a conversation, press . The phone places the other party on hold.
2. Enter the phone number for the third party, and then press  again.
3. When the third party answers, press  again to begin your three-way call.

Auto Key Guard

When the flip cover is closed, the keys are automatically guarded so that you can be sure that the keys are not pressed accidentally (for example, if the phone slips around inside a briefcase).

If you want to use the keys with the phone closed, press and hold down . 'Key Unlock' appears on the display and the key guard is deactivated.

To guard the keys after using them, just open the flip cover and close it back.

Note that the keys are automatically unlocked when a call comes in to allow you to answer the call.

Quick-switching to Vibration Mode

You can quickly switch your phone to the vibration mode with a touch of . Press and hold the key until the Vibration indicator  appears in the display. Your phone goes to the vibration mode immediately.

Press and hold  again to switch off the vibration mode.

This feature is convenient when you are in a hurry to mute the phone sound such as when in a theater.

Entering Text

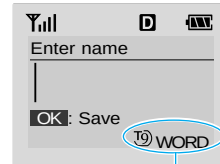
When using your phone, you will need to enter text at many times. For example, when storing a name in the Phonebook, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone by using your phone's keypad.

You are provided with the following text input modes;

- **T9(English):** This mode allows you to enter English words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on  could be J, K or L. The T9(English) mode automatically compares your key presses to an internal linguistic database to determine the correct word. The T9(English) mode requires far fewer keystrokes than the traditional multi-tap method, Alpha mode.
- **Alpha:** This mode allows you to enter letters by pressing the key labeled with the desired letter once, twice, or three times until the letter appears on the display.
- **Symbol:** This mode allows you to enter special characters.
- **Number:** This mode allows you to enter numbers.

Changing Text Input Mode

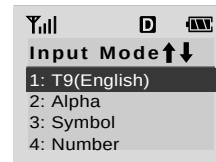
When you are in a field that allows characters entry, you should notice the text input mode indicator in the lower right corner of the display.



Text mode indicator

You can change between **T9(English)** and **Alpha** mode to enter words. To include a symbol or number(s) between characters, **Symbol** and **Number** modes are also available. To change to another text input mode;

1. Press .



2. Scroll to the desired mode by pressing  or .
3. To select the mode highlighted, press .

4. You will find the selected text input mode indicator in the bottom right corner of the display:

- T9(English) mode → T9WORD, T9Word, or T9word
- Alpha mode → ABC, Abc, or abc
- Number mode → 123
- If you select Symbol mode, symbol input screen appears.

Directions for using each of the text input modes appear later in this section.

Note: If you want to exit the menu without changing the mode, press .

T9(English) Mode

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the handset just once per desired letter. For example, to enter 'hello', press , , , , .
2. The word you are typing appears in the display. It may change with each key press.
3. Type to the end of the word before editing or deleting any keystrokes.
4. Complete each word with a space by pressing .

If the word that appears in the display is not the word that you desire, press  one or more times to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence , . The phone displays the most commonly used choice first.)

To type words not found in the T9 mode, change the text input mode to Alpha mode.

Smart Punctuations

Period, hyphen, and apostrophe are available on . T9 applies rules of grammar to insert the correct punctuation. Notice that  is used twice in this [example](#) to display two punctuation marks:



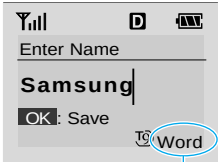
Including a Number

You can include a number between letters without exiting the T9 input mode. Press and hold the desired number key.

Changing Case

- Your phone offers three shift states;
-  Word (initial letter is capitalized)
 -  WORD (all letters capitalized)
 -  word (all letters lower case)

Press  one or more times to display the appropriate shift indicator, and begin typing normally.



Shift indicator

Scrolling

- To scroll through alternate word choices for the keys you have entered, press .
- To move the cursor left or right through the text, press  or .

Clearing Words

Press  one or more times to clear letters to the left. Press and hold  to erase the whole words.

Alpha Mode

When typing in Alpha mode, you should press key labeled with the required letter:
-Once for the first letter
-Twice for the second letter
-And so on.

For example, you press  three times quickly to display the letter “C”,  two times quickly to display the letter “K”. So, this method is called Multi-tap typing.

Refer to the table below for the list of characters assigned on each key.

List of characters available:

Key	Characters in the Order Displayed			
	1	,	.	- ? ' : @ () ! / \ ; [] " < > \$ ~ _ = + % * & #
	A	B	C	2
	D	E	F	3
	G	H	I	4
	J	K	L	5
	M	N	O	6
	P	Q	R	S 7
	T	U	V	8
	W	X	Y	Z 9
	0			

(Caps Lock mode)

The cursor moves to the right when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next letter.

If you enter a specific word in this mode the first time, the word is automatically added to your phone's database, and offers the new word as an option for its keystroke sequence when you are in the T9 mode.

Changing Case

To shift the case of the next letter(s) that you type, press  one or more times. There are three shift states: Lower Case is indicated by abc in the right corner of the display, Initial Capital is Abc, and Capitals Lock is ABC.

Inserting a Space

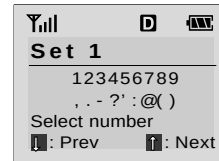
Press  to insert a space between the words.

Clearing Words

Press  one or more times to clear letters to the left. Press and hold  to erase the whole words.

Symbol Mode

Symbol mode enables you enter symbols into a text message.



Press  or  to display more symbols in Set 2 or Set 3.

Press keys corresponding to the desired mark then the phone automatically switches back to the text entry mode used just prior to selecting the Symbol mode.

Number Mode

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to text entry mode of choice.

Using the Menu

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or using the shortcuts.

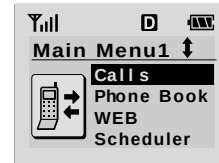
Accessing a Menu Functions by Scrolling

The following keys are used to set the menu option by scrolling then selecting an option.

To...	Then press...
Enter the menu facility	
Scroll to the desired menu	 or 
Move to the previous or next option	 or 
Enter the menu displayed or the highlighted option	
Move back to the previous menu level	
Exit the menu facility without saving the setting	

Example: Turning the Service Alert on

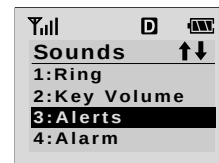
1. In Standby mode, press  to access the menu facility.



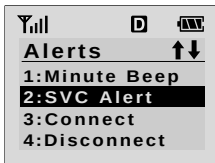
2. Scroll to **Sounds** by pressing  repeatedly. Press  to enter the menu.



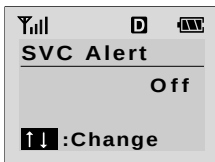
3. Scroll to **Alerts** by pressing  repeatedly. Press  to enter the menu.



4. Scroll to **SVC Alert** by pressing  repeatedly.
Press  to enter the menu.



5. Select **On** by pressing  or  and press  to save the setting.



6. The phone automatically returns to Standby mode.

Accessing a Menu Functions by Using its Shortcut

The menu items (menu, submenus and setting options) are numbered and can be accessed quickly by using their shortcut number.

1. In Standby mode, press .
2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

Example: Accessing the **SVC Alert** menu

Press , and key in , , .

MENU for entering the menu facility, **5** for Sounds, **3** for Alerts, **2** for SVC Alert

3. Press  or  to scroll to the desired setting, and press  to confirm the chosen setting.

Note: The shortcut numbers assigned to each menu function are indicated on the list on page 50.

List of the Menu Functions

The list shows the menu structure and indicates the:

- Number assigned to each option
- Page on which you can find a description of each feature

1. Calls

- 1-1: Outgoing
- 1-2: Incoming
- 1-3: Missed
- 1-4: Erase Logs
 - 1-4-1: Outgoing
 - 1-4-2: Incoming
 - 1-4-3: Missed
 - 1-4-4: All
- 1-5: Air Time
 - 1-5-1: Last Call
 - 1-5-2: Total
 - 1-5-3: Erase Total

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2. Phone Book

- 2-1: Find Name
- 2-2: Find Entry
- 2-3: Add Entry

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3. WEB

- 3-1: Get In Web

Page 64



4. Scheduler

- 4-1: Today
- 4-2: View Month
- 4-3: Jump To Date
- 4-4: To Do List
- 4-5: Countdown
- 4-6: World Time
- 4-7: Calculator
- 4-8: Games

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5. Sounds

- 5-1: Ring
 - 5-1-1: Ring Volume
 - 5-1-2: Ring Type
 - 5-1-3: Ring Choice
- 5-2: Key Volume
- 5-3: Alerts
 - 5-3-1: Minute Beep
 - 5-3-2: SVC Alert
 - 5-3-3: Connect
 - 5-3-4: Disconnect
- 5-4: Alarm
 - 5-4-1: Alarm #1
 - 5-4-2: Alarm #2
 - 5-4-3: Alarm #3
- 5-5: Diff. Ring
- 5-6: PWR-On/Off
- 5-7: Data/Fax Alert

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6. Display

- 6-1: Backlight
- 6-2: Greeting
- 6-3: Animation
 - 6-3-1: Idle
 - 6-3-2: Incoming
 - 6-3-3: Power On
 - 6-3-4: Power Off
- 6-4: My Phone #
- 6-5: Version

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7. Voice Dial

- 7-1: Record
- 7-2: Review
- 7-3: Erase All
- 7-4: Set Active

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8. Setup

- 8-1: Auto Retry
- 8-2: Auto Answer
- 8-3: Auto Hyphen
- 8-4: Answer Mode
- 8-5: Tone Length
- 8-6: Set Time
- 8-7: Set Nam
- 8-8: System Sel
- 8-9: Data/Fax Mode
- 8-✱: Web Browser
 - 8-✱-1: Web Guard

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0. Security

- 0-1: Lock
- 0-2: Restrict
 - 0-2-1: Phone Book
 - 0-2-2: Incoming
 - 0-2-3: Outgoing
- 0-3: Lock Code
- 0-4: Priority #
- 0-5: PIN
 - 0-5-1: Send PIN
 - 0-5-2: PIN Code
- 0-6: Clr Memory
- 0-7: Hide My #
- 0-0: Reset Phone

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Calls

You can use the **Calls** menu to:

- View and dial the last outgoing or incoming numbers.
- Erase the numbers in the Call log memory.
- View the duration of calls.

Outgoing

Menu 1-1

The phone stores up to 10 calls you dialed. When you access this menu, the list of outgoing calls are displayed.

To...

Select an entry

View the details on the call

Dial the selected entry

Press...

 or 



When you press , you can view the date/time stamp for the selected entry. If there is a Phonebook match, the name displays.

Press  to access **Options**. The following options are available:

Send: dials the selected number.

Show Entry (or **Save** if the phone number is not currently stored in the Phonebook): shows Phonebook entry or stores the number in the Phonebook.

Prepend: allows to add an area code or feature code to the number before calling or saving the number. See page 22.

Incoming

Menu 1-2

This option lets you view the last 10 calls placed to your phone. When you access this menu, the list of incoming calls are displayed.

To...

Select an entry

View the details on the call

Dial the selected entry

Press...

 or 



When you press , you can view the date/time stamp for the selected entry. If there is a Phonebook match, the name displays.

Press  to access the Options. For further details, refer to the options in “Outgoing” on page 54.

Missed

Menu 1-3

Your phone keeps a list of 10 calls placed to your phone that you did not answer. The phone indicates missed calls by displaying a text notification on the screen.

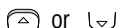
To...

Select an entry

View the details on the call

Dial the selected entry

Press...



When you press , you can view the date/time stamp for the selected entry. If there is a Phonebook match, the name displays.

Press  to access the Options. For further details, refer to the options in “Outgoing” on page 54.

Erase Logs

Menu 1-4

You can erase the entries stored in each of the three Call Logs or all three logs at once.

Outgoing: The calls you made are erased.

Incoming: The calls you received are erased.

Missed: The calls you missed are erased.

All: All calls you made, received and missed are erased.

When a confirming message displays, press .

Air Time

Menu 1-5

Your phone records the amount of airtime (or talk time) used. Using this option, you can view the number of the calls to or from your phone, and the airtime for all calls. You can easily erase the airtime measurement at any time.

Last Call: shows airtime of the last call.

Total: shows the number of all calls made to or from your phone and total duration of the calls since the air time counter was lastly set to zero by using the **Erase Total** option.

Erase Total: erases the total airtime measurement and resets the air time counter in the Life Time option.

Phone Book

The Phonebook allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number. You can store up to 100 numbers.

Find Name

Menu 2-1

This option displays the stored names in the Phonebook by alphabetical order.

Note: You can locate Phonebook entries by name quickly when the phone is in Standby mode. Press and hold down  to access this menu option in one step.

1. Press  or  to scroll to the desired name.

You can also enter the starting character(s) of the name by pressing the associated alphanumeric key(s). Using this method, the phone searches for the names in the list containing with that character(s), and then displays the first name in that section of the list.

2. When the desired entry is highlighted, press .
The display shows the name with the number, label and speed dial number.
3. Press  to place a call.

Note: If more than one numbers are stored by the different labels in the selected location, you can see the ◀ and ▶ symbols on both sides of the label. Press  or  to find to the desired number.

With an entry selected, if you press , you can access the following options:

Send: dials the number.

Add Phone #: allows you to add several different kind of numbers into the name, such as work office number or mobile number.

Edit: allows you to edit phone number, name, or entry number. **Set Secret** option prevents a number and name from being displayed. When you have made the number secret, only a person with your phone's lock code can view the number and name. **Set Speed Dial** option allows you set manually the number to be dialed by one touch (or two touch or three touch) of the entry number key(s).

Prepend: allows to add an area code or feature code to the number before calling or saving the number. See page 22.

Erase: erases the number.

Find Entry

Menu 2-2

This option allows you to find an entry by location number.

Note: You can locate Phonebook entries quickly when the phone is in Standby mode. Press and hold down  to access this menu option in one step.

1. Enter the location by pressing the number keys or press  or  to scroll to the desired location.
2. When the desired entry is highlighted, press . The display shows the name with the number, label and speed dial number.
3. Press  to place a call.

If you press , you can access the options. For further details, refer to the options in "Find Name" on page 58.

Note: If more than one numbers are stored by the different labels in the selected location, you can see the ◀ and ▶ symbols on both sides of the label. Press  or  to find to the desired number.

Add Entry

Menu 2-3

This menu allows you to store a number with a name in your Phonebook. You can save a person's different kinds of numbers, such as workplace number, mobile number and fax number, into one entry. Using this feature, you can keep one's information together. It also helps you to find numbers easily in Phonebook.

Creating a New Entry

1. Enter a phone number and press .

If you want to enter a hard or two second pause, press  then  or  to enter the desired pause. See page 25 for details on pause dialing.

2. You are asked to select a label. The following labels are available: **Home**, **Work**, **Mobile**, **Pager**, **Fax**, and **No Label**. After selecting a label using  or , press .
3. The phone prompts for a name. Press  to confirm **<Add new name>**.
4. Enter the desired name then press . You can enter up to 12 characters for a name. For details on how to entering text, see page 38.
5. The first available location displays. To accept the displayed location, press . To select another location, enter the location number using the numeric keys or press  or  to scroll to the desired location.

6. Press  to save the number.

Note: You can also create a Phonebook entry by entering a number in Standby mode and pressing , without accessing the Add Entry menu.

Adding a Number in an Existing Entry

You can store more than one numbers per entry by assigning them to different labels.

1. Enter a number and press .
2. You are asked to select a label. The following labels are available: **Home**, **Work**, **Mobile**, **Pager**, **Fax** and **No Label**. After selecting a label, press .

Note: You cannot duplicate the same labels for one entry. For example, you can only have one number labeled “Work” for the selected entry.

3. At the prompt “**Name?**” press  or  to scroll to the Phonebook entry that you are adding a number to, and press  to store the new number.
4. The number and its information are displayed.

Storing Phone Numbers at Call End

To store a phone number at your call end:

1. Press  to end the call. The call time and the phone number display.
2. To store the phone number, press .
3. To complete storing the number, follow the instructions in “Creating a New Entry” on page 61.

WEB

The web browser allows you to access certain information such as stock quotes and weather via the Internet. Browsing the web via the phone is not like using your home computer. Site providers have selected only the critical aspects of their site to present to wireless phone users, and have removed most graphics.

Each time you start the web browser, the phone will connect to the cdma Nationwide Network as necessary, and the Service indicator (📶) will appear on the display. Any time the service indicator icon is visible on the display, your phone is connected to the cdma Nationwide Network and you will be billed accordingly. Rates will vary according to your billing plan.

The web browser will end the connection after a certain period of network inactivity and will automatically re-connect as necessary. For this reason, you may find that you are billed for several network connections within a single web browser session. This is normal and is designed to minimize your bill.



Get In Web

Menu 3-1

Selecting this menu starts the web browser.

Note: The first time you use the browser, you will go through a security setup process that takes 3 to 5 minutes. Please follow the on-screen prompts to complete the security setup process. This initial setup process occurs only the first time you access the service.

1. If a reminder of the charge appears according to the Web Guard Setting (**Menu 8- * -1** on page 98), answer **YES** or **NO** by using 📶 or 📶.
2. Once connected, the Home page (or the last page visited) will be displayed. To access the Home menu page from any other menu in the browser, press and hold 📶.
3. What appears on the display when accessing the browser is dependent on the service provider content. To view additional text, use 📶 or 📶.

Note: You can quickly launch the web browser by pressing and holding 📶 down in Standby mode.

Exiting the Browser

Simply press 📶 to exit the browser. If the **To End** or **Both** option is set in the **Web Guard** menu, you will be prompted whether you want to end the browser call.

Using the Soft keys

At the bottom of the browser display is a solid bar which contains browser commands. “Soft” keys ( or ) below the solid bar are used to execute the commands. These two keys are called soft keys because their function changes depending on where you are in the browser software.

Navigating the Browser

The web browser presents on-screen items in one of the following ways:

- Text or numeric input
- Links (embedded in content)
- Numbered options (some options may not be numbered)
- Simple text

When you use the web browser, some keys on your phone operate differently than on a normal phone call. Here's how the keys work in the web browser:



Use to scroll through the browser options. The currently selected option is indicated by “▶”.

While you press and hold the key in the text entry mode, you can navigate other linked items in the same card if exist.



This is the left soft key. It is used primarily for selecting the highlighted item. Pressing and holding it navigates you to the browser local menus.



This is the right soft key. It is used to access secondary options, or a menu of secondary options.



Press and hold to go to the home page.



Use to exit the browser and return the phone to Standby mode.



Backs you up in the browser. Pressing it backs you up one page. Also, clears out entered text or numbers. When entering numbers or text, press this key to clear the last number, letter, or symbol. Press and hold the key to completely clear the input field.



Use to scroll pages up. While you press and hold the key, you can quickly scroll up by a page.



Use to scroll pages down. While you press and hold the key, you can quickly scroll down by a page.



If the items on a page are numbered, you can use these keys to select them.

Entering Text, Numbers or Symbols

When you are prompted to enter text, the current text entry method will appear on the bottom right of the display as **ALPHA**, **SYM1**, **NUM** or **WORD**. To change the input mode, use . For details on entering text, see page 38.

Using the Links

Links have several purposes, including jumping to a different page, jumping to a different site, or even initiating a phone call from some sites. Links are shown inside of brackets (**[]**), and you can normally press  to select a link when it is highlighted.

Initializing a Call from the Browser

You may initiate a phone call from the browser if the site you are using supports this feature (the phone number may be highlighted and the command “Call” will appear). In most cases, you can also use  to call the number. The browser connection will be terminated when you initiate the call. After you end the call, your phone will return to the Browser mode. You can navigate again.

Using Bookmarks

You can bookmark many individual pages for easy access at a later time. Bookmarks save you time by reducing the number of steps it takes to access a desired page.

To Create a Bookmark

1. Go to the page that you want to mark, and press and hold . A list of the browser menus appears.
2. Press  or  to select **Mark Site** and then press .

3. If the page has a title, it will be automatically used for the name of the bookmark. You can also change the bookmark name. Selecting **Save** will save the name and add the page to your list of bookmarks.
4. A message will appear confirming that the bookmark was added to the list. Select **OK** to return to the screen that you marked to resume navigation within the browser. The new bookmark is added to the bottom of your bookmark list.

To Find a Bookmark

From the home page, select **Bookmarks** and select the bookmark you want by pressing  or .

Or,

Press and hold the number associated with the bookmark in the bookmark list.

Scheduler

The Scheduler feature enables you to:

- Write down today's event
- View the calendar and organize your schedule
- Create a list of things to do
- Set and count D-Day
- View the world time
- Perform a calculation and enjoy games

Today

Menu 4-1

You can schedule up to 9 events for the current day indicating each event's start and end time. You can be alerted by the Calendar function before an event is commenced. Events scheduled for future dates automatically appear on your Today events schedule on that particular day.

Scheduling an Event

1. If there is no event, you are asked to write a new event. Enter an event then press . You can enter up to 32 characters. For details on entering text, refer to page 38.
2. Enter the start time and date of the event, and press .

Notes:

- Press  labeled with "P" to switch to PM and  labeled with "A" to switch to AM.
- If you make a mistake while entering, press  or  to move to the wrong digit and enter the correct digit.

3. Enter the end time and date of the event, and press .
4. Select when you are alarmed using  or . You are provided several time options; **10 minutes Before, On time, 1 hour Before, 30 minutes Before**. Selecting **No alarm** does not set the alarm.
5. After selecting an option, press  to save the event. The display shows the entered information. To view the overflowed text, press .

Adding, Editing, or Deleting an Event

When a stored event is displayed, press  to access the **Options**.

Notes: If there are more than one item defined in the menu, scroll to the desired item by pressing  or , and press .

The following options are available:

New Event: allows you to add an event on today.

Edit Event: allows you to edit the today's event.

Erase Event: allows you to delete the event.

Exit: allows you to exit the Options.

After you select an option by pressing  or , press the key. Then follow the screen prompt.

View Month

Menu 4-2

This option allows you to view the past or future month as well as the current month in calendar format. In this option, the current date is highlighted on the calendar. Days with the scheduled events are underlined.

Selecting a Day

- To go to next or previous year, press or .
- To go to next or previous month, press or .
- You can move up or down by one week by pressing or . (You can also use or .)
- You can move to the next or the previous day by pressing or .

When the desired date is highlighted, you can access the following options by pressing .

View Event: allows you to view the scheduled events on the day.

New Event: allows you to schedule a new event on the day.

Exit: allows you to exit the View Month menu.

For details on scheduling a new event and editing, or deleting a event, see “Today” on page 70.

Jump To Date

Menu 4-3

This feature allows you to specify the date you want to view so that you can easily go to the day without scrolling through the Calendar. Once the date is obtained, you can create, edit and delete events on your calendar.

Enter the desired date using the numeric keys, and press . When the day you selected is highlighted, press to access it.

To create, edit or erase the events, refer to “Today” on page 70.

To Do List

Menu 4-4

This feature allows you to draw up a list of tasks to be done and assign a priority and deadline to each task. You can create up to 20 tasks.

Creating a New Task

1. Enter a task, and press .
You can enter up to 32 characters. For further details on how to enter characters, see page 38.
2. Enter a desired date and time by when the task has to be done, and press .

Notes:

- Press  labeled with “P” to switch to PM and  labeled with “A” to switch to AM.
- If you make a mistake while entering, press  or  to move to the wrong digit and enter the correct digit.

3. Set the priority for the task by pressing  or . You can select **High** or **Low**.
4. Press  to save the task. The display shows the entered information.

Adding, Editing and Erasing a Task

When a stored task is displayed, press  to access the **Options**:

Notes: If there are more than one items defined in the menu, find  to the desired item by pressing  or , and press .

The following options are available:

New Event: allows you to create a new task.

Edit Event: allows you to edit the task.

Erase Event: allows you to delete the task.

Exit: allows you to exit the Options.

Select an option, and press . Then follow the screen prompt.

Countdown*Menu 4-5*

This menu help you know how much time it takes you to do something, or how many months, days, hours and minutes until a specific day. You can create up to 5 Countdown timers using this menu.

Creating a Countdown Timer

1. Enter a title for the Countdown item and press . You can enter up to 16 characters. For details on entering text, see page 38.
2. Enter the date and time that you want to count down from.

Notes:

- Press  labeled with “P” to switch to PM and  labeled with “A” to switch to AM.
 - You can enter the years between 1980 and 2099 for year.
3. Press  to save the item. The phone counts down the day and time from the defined day and displays the result.

Adding, Editing and Erasing a Countdown Timer

When you select this menu, the defined Countdown item is displayed. Then press  to access the **Options**.

Note: If there are more than one items defined in the menu, find to the desired item by pressing  or , and press .

The following options are available:

New Event: allows you to create a new Event.

Edit Event: allows you to edit the Event.

Erase Event: allows you to delete the Event.

Exit: allows you to exit the Options.

Select an option, and press . Then follow the screen prompt.

World Time

Menu 4-6

You may want to call a friend in another part of the world but wondered what time of the day it is there. To know what time it is, use this menu option.

Press  or  to scroll through the world map and check the time in the desired area.

The 24 time zones (identified by one or more major cities, states, regions or countries in a time zone) are available.

Note: This world time does not consider the summer time.

Calculator

Menu 4-7

Using this feature, you can use the phone as a calculator. You can perform calculations including addition, subtraction, multiplication and division on your phone.

Using the Calculator

1. Enter the first number using the numeric keys.
2. Press  or  to set the operator for your calculation until the required arithmetic symbol appears: + (addition), - (subtraction), x (multiplication), / (division).
3. Enter the second number.
4. To perform calculation and see the result, press .
5. Repeat steps 1 to 4 as many times as required.

Each time you change the operator without pressing , the previous calculation is performed and the result is displayed as the top number in the display.

Notes:

- To erase any mistakes and clear the display, press .
- Use  to enter a decimal point and  to change the sign of a number to a negative (-).

Games

Menu 4-8

This menu allows you to play the following games on your phone.

- Flying Tight
- Run For Money

To start a game, press  or  to scroll to the desired game and press .

When the game start screen displays, press  to get help, if available. Press  to start the game.

Sounds

You are provided a variety of ringer options in the Sounds menu. These ringer options allow you to customize your ring and volume settings so that you can easily recognize when a certain type of call is coming in.

Ring

Menu 5-1

Ring Volume

This option allows you to adjust the ringing volume to one of nine levels.

Press  or  to adjust the volume. The more the bars, the louder the volume, and no bar means that the ringer is turned off.

In Standby mode, you can adjust the ringer volume using  and .

Ring Type

This option allows you to indicate how you are to be informed of any incoming calls. The following options are available:

Ring: The phone rings using the ring tone selected via the menu option.

Vib+Ring: The phone vibrates and rings.

Vibrate: The phone vibrates but does not ring.

Lamp: The backlight is switched on and the lamp blinks; the phone neither rings nor vibrates.

Ring Choice

This option enables you to select a melody tone for the ringer.

You can select a ring from 10 ring tones and 12 melodies. Each time you select a tone, it sounds for a few seconds.

Key Volume

Menu 5-2

This option allows you to adjust the tone volume that the keypad generates each time you press a key.

Press  or  (or volume keys on the left side of the phone) to adjust the volume. The illustration shows the volume level. The more bars, the louder the volume. No bar means that the volume turns off.

Alerts

Menu 5-3

Your phone gives audible alerts (beeps) at a specified time to inform you that certain things have happened. The alerts only occur in your earpiece so the other party does not hear them.

Minute Beep: With this menu option set to **On**, the phone sounds an alert every 50 seconds to remind you of the length of the current call.

SVC Alert: With this menu option set to **On**, the phone beeps when the phone experiences a dropped call or a failed call or when the phone leaves or enters a service area.

Connect: With this menu option set to **On**, the phone sounds the connect tone when your call is connected to the system.

Disconnect : With this menu option set to **On**, the phone sounds the disconnect tone when a call is disconnected.

Alarm

Menu 5-4

This option allows you to set the alarm to ring at a specific time.

1. Press  or  to select the desired location from **Alarm #1** to **Alarm #3**, and press .

2. Select the alarm frequency option by pressing  or  and press .
 - **Daily:** the alarm rings every day at the same time.
 - **No Repeat:** the alarm rings only once and is then deactivated. 3. Enter the required time (and date if you select No Repeat option in step 2) when an alarm rings using the numeric keys.
- Note:** Press  labeled with “P” to switch to PM and  labeled with “A” to switch to AM.
4. Press  to save the alarm setting.

Once an alarm have been set, “Alarm ON” displays in Standby mode. To stop the alarm when it rings, simply open/close the flip cover or press any key.

To access the alarm setting, select the desired alarm from the list and press . The following options are available:

Edit: allows you to change the alarm frequency or time and date for the alarm.

Erase: removes the alarm setting.

Exit: exits the Alarm menu.

Differential Ring

Menu 5-5

This feature enables you to set a unique ring type for up to 5 different callers.

To set the different ringer for the callers, proceed as follows:

1. Press  or  to select the desired storage location from Caller 1 to Caller 5.
2. Enter the phone number of the desired party by pressing the numeric keys.
3. To store the number, press .
4. Press  or  to audition the list of ring tones and melody tones. Each tone sounds as you scroll the options.
5. When the desired tone or melody sounds, press to save the setting.

When set, if you receive a call from a number identified in Different Ring, the tone or melody associated with that phone number rings.

Power-On / Off

Menu 5-6

This option enables or disable the phone sounds when it is switched on and off.

The following options are available:

On: The phone sounds both when it is switched on and off.

Off: Neither does the phone sound when it is switched on nor off.

Data / Fax Alert

Menu 5-7

This option allows you to be alerted with a distinct ringing tone when you receive a fax or data file through the phone (network dependent).

You can choose a ring from 10 ring tones and 12 melodies. Each time you select a tone, it sounds for a few seconds.

Display

Using this menu, you can customize the various settings for the LCD display.

Backlight

Menu 6-1

This menu allows you to select how the backlight operates. Remember that the backlight use drains your battery faster.

The following options are available.

30 Seconds: The backlight comes on when you press a key or receive a call and switches off 30 seconds after the last key is pressed.

10 Seconds: The backlight comes on when you press a key or receive a call and switches off 10 seconds after the last key is pressed.

Always Off: The backlight is not used.

Flip Open: The backlight comes on each time you open the flip cover.

Note: When the phone is attached to the optional Hand-Free Car Kit, the backlight remains on (when the phone is on).

Greeting

Menu 6-2

You can create a 12-character personal greeting that displays when you switch the phone on and in Standby mode.

1. Press and hold  to erase the existing greeting.
2. Enter your personal greeting by pressing the alphanumeric keys on the keypad. For more details on entering text, see page 38.
3. When entering is done, press . You can see your own greeting on the display.

Animation

Menu 6-3

Your phone displays graphics images when it is turned on or off. This setting is just for fun and grins so have fun with it. You have a few graphics to select from for these power on and off images.

The following options are available:

Idle: You can select an image to be displayed on the Standby mode. Selecting **No Image** does not display any image.

Incoming: You can select an image to be displayed when a call comes in. Selecting **Basic Image** displays the preselected image by factory default.

Power On: You can select an image to be displayed when you switch the phone on.

Power Off: You can select an image to be displayed when you switch the phone off.

My Phone Number

Menu 6-4

You can view your phone number when the phone switched on. In the other time, you can check your phone number via this menu.

Version

Menu 6-5

You can view the software and hardware versions of your phone. This feature is helpful if you need to call the service center.

Voice Dial

You can call up to 10 stored entries by speaking the name into the microphone. Using the Voice dialing option requires that you first record the name of the person you are calling so your phone recognizes it.

Note: Voice Dialing works only when you are in a service area.

Record

Menu 7-1

This option allows you to record names and register numbers for subsequent voice dialing. The phone provides voice prompts and screen displays to guide you through the recording process.

1. Say the name you want to program at the prompt. The phone stores the name as a first sample, and then prompts for the name again.
2. Respond to the prompt by repeating the name after the beep. The phone stores the name as a second sample, and then requests the phone number.
3. Enter the phone number by pressing the numeric keys.
4. To store the phone number, press . The name (if matched up to Phonebook) and number display, along with the notification **Recorded**.

Tips On Recording Name

- Avoid recording similar names phonetically. If you record a similar name to the one already in memory, the phone requests another name.
- Speak clearly and naturally.
- The person who will use the phone should record the name. The phone does not recognize the name if the voice sounds differently.
- Avoid too long or too short name. Names with two to five syllables are recommended.
- If this feature does not work properly, erase the name, and record with another name.
- It is recommended to practice several times to obtain best result.
- You can record up to 10 names. If you try to record more than 10 names, the phone announces 'Memory is full'.

Review

Menu 7-2

This option allows you to check or erase an individual voice dial entry. A list of entries displays.

Press the numeric key to select the desired entry, or press  or  to scroll to the entry and press .

When you select the desired entry, the recorded name plays, and if you do nothing, your entire voice dial list is scrolled and each entry played. When the last entry is played, the phone returns to Standby mode.

Erase All

Menu 7-3

This option allows you to delete all voice dialing entries.

Press  to confirm the deletion. Otherwise, press  or  to exit this menu without deleting the voice dialing entries.

Note: If you want to erase an individual voice dialing entry, press  while reviewing the entry.

Set Active

Menu 7-4

Voice Dialing is always active once you have recorded a name and have entered the associated phone number.

To place a call using the Voice Dialing feature, simply press and hold  in Standby mode and then say the name into the phone after you hear the prompt.

You can also initiate a Voice Dialing call just by opening the flip cover, when you select this option.

[*] only: Enables Voice Dialing only by pressing and holding down .

[*] / Flip: Enables Voice Dialing by pressing and holding down  or by opening the flip cover.

Setup

Many different features of your phone can be customized to suit your preferences.

Auto Retry

Menu 8-1

With this feature activated, when you place a call and the call does not connect, the phone automatically redials a failed call until it connects.

To activate this feature, select how often the phone retry connection. **60 Seconds**, **30 Seconds**, and **10 Seconds** are available.

Selecting **Off** deactivates the feature.

Auto Answer

Menu 8-2

This feature is only used when the phone is connected to a hands-free car kit (optional). With this menu option activated, the phone automatically answers calls after predefined rings. This option is useful while driving, for instance.

With this menu set to **Yes**, your phone will answer the call automatically after two rings when a call comes in.

With this menu option set to **No**, the phone does not answer an incoming call, and if you do not answer the call, it is stored in Missed Call log (see page 56).

Auto Hyphen

Menu 8-3

With this menu option set to **On**, your phone automatically hyphenates numbers when you dial a number. This hyphenates numbers as follows: 00-0000-0000 (or 000-000-0000). Digits following a pause are not hyphenated.

Answer Mode

Menu 8-4

This menu allows you to select how you answer when an incoming call comes. Your phone is preset to answer when you open the flip cover.

The following options are available:

By Flip Open: You can simply open the flip cover to answer a call. If the cover is already open, press .

By Any Key: You can press any key except  to answer a call. When the flip cover is closed, you can answer a call by pressing .

By SEND Key: You should press  to answer a call.

Tone Length

Menu 8-5

The tone length setting enables you to select **Short** or **Long** DTMF (dual-tone multi-frequency) tones. When you use a teleservice (such as your bank account) and press the keys to enter numbers into the teleservice, you are sending DTMF tones. The system used by the bank or other service determines if you need short or long DTMF tones. If the service is digital (which most are these days) short DTMF will almost always work. However, some new systems and almost all older (analog) systems require you to use long DTMF tones. Many home answering machines require long DTMF tones.

Set Time

Menu 8-6

The option enables you to set the current date and time. Enter the date and time in the following order: hour, minute, month, day and year.

The current time, if set, displays. The month, day, hour and minute must be entered with 2 digits. The year requires all four digits.

Note: Press  labeled with “P” to switch to PM and  labeled with “A” to switch to AM.

If you do not input the time or you input the wrong time, **Invalid Time** displays and the phone prompts you to enter again.

Set Nam

Menu 8-7

Your SAMSUNG phone can store two NAMs (NAM stands for numerical assignment module - essentially your telephone number). This means you can have two phone numbers on your phone, and you can quickly and easily switch your service back and forth between the two numbers.

Press  or  to select **NAM #1** or **NAM #2**. If you change the NAM, the phone will reboot and acquire service using the new NAM setting.

System Selection

Menu 8-8

The system selection feature of your phone enables you to choose how your phone will roam. Roaming is a feature which is only relevant in areas where there are usually at least two cellular service providers. Your service provider will provide you information about this service or the best roaming methods for you.

home only: With this setting, you cannot roam. If your home system is not available then your call will not be connected and the No Service indicator () is displayed. In some service areas an operator may come on line asking you how you would like to pay for the call.

standard: The phone will search for your service system first. When the service is not available, it will search for an alternate system automatically.

Data / Fax Mode

Menu 8-9

Your phone is capable of sending and receiving digital data and fax call when connected to a computing device (laptop, desktop, handheld, palmtop, etc.) running Windows NT, Windows 95 or later. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a side variety of Windows software applications.

To use digital data or fax services with your phone, you will need to purchase digital data/fax kit from your local SAMSUNG dealer. This kit will contain the necessary cables, software, and documentation required for you to connect and use your phone with your computing device.

Note: The phone must be on a digital network to receive or send fax and data.

The following options are available:

Data/Fax Off: Your phone receives voice calls only.

Fax Until Powered Off: Your phone receives fax only until you switch it off and back on.

Modem Until Powered Off: Your phone receives data only until you switch it off and back on.

When you select an option and press , the display shows your phone mode.

Note: Once you have set your phone's mode to **Fax Until Powered Off** or **Modem Until Powered Off**, you cannot receive regular voice calls until you change back to **Data/Fax Off** or switch the phone off and back on.

Receiving a Fax or Data File

To Receive a fax or data, ensure that your phone is connected to your PC and is powered on and select a desired option.

When you receive a fax call, setup the **Answer** mode in the Fax program on your PC and click on **Receive** and select one of the following:

- Automatic Receive (recommended)
- Manual Receive

Sending a Fax or Data File

When connected to a computing device, your phone allows wireless fax and data transmissions. Your computing device software initiates the call to the destination phone number. The phone functions as a wireless modem to send the fax or data file to the number designated by your PC software.

Web Browser

Menu 8-*

Web Guard

Your phone can be set so that you view a prompt each time you start or end a web browser session. You have the option to change when these start and end prompts appear. The default setting is no start or end prompt.

To Start: The default setting. You will see the prompt when you enter the browser, but not when you exit it.

Both: You will be prompted when you enter or exit the browser.

To End: You will see the prompt only when you exit the browser.

None: You will never see the prompt.

Security

Your phone provides many security options, including a user-programmable lock code, call restriction, and phone resetting features.

When you are accessing this menu, your phone requires the four digital lock code. The lock code is preset to last 4 digits of your phone number.

Lock

Menu 0-1

This menu allows you to lock the phone. Locking the phone limits all outgoing calls except calls to the hard coded emergency numbers (and three user-programmable special number depending on the service provider).

Unlocked: The phone remains unlocked.

Lock Now: The phone locks immediately and stays locked until the lock code is entered.

On Power-Up: The phone locks automatically the next time your phone is powered on and stays locked until the lock code is entered.

To unlock the phone:

When the phone is locked, you can see “MENU:Unlock” on the display. Press  and when the phone prompts to enter the lock code, enter the four digits lock code.

Restrict

Menu 0-2

This feature allows you to restrict your calls. Call Restriction can be set up by three ways. You can use of any of the following options alone or in any combination:

Phone Book: the phone restricts use and viewing of all the Phonebook entries. However, note that manual keypad dialing is unrestricted (even to numbers stored in the Phonebook).

Incoming: calls cannot be received.

Outgoing: calls cannot be made (except emergency numbers and the seven priority numbers).

Lock Code

Menu 0-3

The default lock code for your phone is the last 4 digits of your phone number. You can enter the current lock code, and then change the lock code as often as you like.

Note: Your phone does not allow viewing of the lock code unless you know the lock code (this is for obvious security reasons). So, if you change the lock code, be sure to write down the new code and keep it for your reference.

Enter a new code and enter the new code once again. The phone automatically returns to Standby mode.

Priority Number

Menu 0-4

Your phone provides the option of storing priority numbers. Each priority numbers can be up to ten digits long. All seven priority numbers can be manually dialed at any time even when your phone is locked. This can be a useful feature for controlling what numbers can be dialed from your phone.

Note: Depending on your service provider, it may not be available.

1. Select a location for the priority number, and then press .
2. Enter the desired number then press  to save the number.

To make an emergency call in Lock mode, simply enter the priority number and press .

Note: You must dial the number exactly as it is stored or you will get an error message, "Priority # Dialing Only."

PIN (Personal Identification Number) *Menu 0-5*

Note: Your service provider must enable this feature and assign you a PIN in order for this feature to work.

This feature prevents your phone from being used by unauthorized persons. Contact your service provider for complete information on this feature. Your PIN is programmable and can be up to 4 digits.

Send PIN

These options are available:

Never: The option is not activated

Prompt: When you make a call, you are asked to send a PIN.

PIN Code

This feature allows you to change the PIN code.

When the current PIN code is displayed, enter a new PIN code by pressing the appropriate numeric keys. Then, press  to save your input.

Clear Memory *Menu 0-6*

This menu allows you to erase all the numbers in your Phonebook.

When a confirmation message displays, press  to clear the Phonebook memory.

Hide My Number *Menu 0-7*

This feature allows you to hide your own number display, and others cannot view your phone number.

With this feature set to **On**, the message “Hidden #” displays when the **My phone #** menu (**Menu 6-4**) is accessed from Standby mode or the In-Use Menu option, or when you turn on the phone.

Reset Phone *Menu 0-0*

Resetting the phone erases all incoming messages, call logs, special numbers, and returns all user-selectable options to the default settings.

When a confirmation displays explaining that you will reset the phone, press  to reset the phone. The phone reboots (turns itself off then on) then returns to Standby mode.

Message Service

Your phone can receive voicemail notification, text messages, and pages. Also, your phone can send text messages and pages if your system supplier provides this service.

When the phone receives a message, an alert sounds, a text notification displays and the name and phone number of the caller if available. The New Message indicator  remains on the screen until you read the new text, numeric page or Web Browser message, or until you listen to the new voicemail messages.

Incoming messages are received even when your phone is in Lock mode. However, the screen will not display information about the message. To access a message, or to return a call other than an emergency or priority number, unlock the phone to proceed.

If you are on a conversation, and you receive an incoming message, your phone automatically mutes the ringer (this is to avoid ringing in your ear while you are trying to converse).

Press  in Standby mode to access the Message menu.

New Message

OK-1

You can create short text messages, and numeric pages, to send to other mobile numbers.

Note: Transmitting message is only supported in digital networks, and if service is provided by your service provider.

1. Enter the Send-To phone number using the numeric keys and press .

You can retrieve the phone number from your Phonebook by pressing .

2. Enter the message contents, or a numeric page. For further details on how to enter text, see page 38.

Note: You can enter a total of 160 characters each message.

3. When entering is finished, press .
4. If you wish to edit the following available options before transmitting the message, press .
 - **Send To:** Edit the send-to phone number. Pressing  allows you to retrieve a Phonebook entry.
 - **Message:** Edit the message contents already entered.

- **Callback #:** Edits the callback number. Enter the new number to replace the current number.
- **Delivery ACK:** edits the Delivery Acknowledgement. You can toggle between **Yes** or **No** by pressing  or .
- **Priority:** edits the priority level of the message. You can toggle between **NORMAL**, **URGENT**, or **EMERGENCY** by pressing  or .

Note: Callback, Delivery ACK, and Priority are already preset to default values in the **Settings** menu (**OK-4**).

5. Press  to send the message.

Note: Closing the phone or pressing  before message is transmitted will terminate the message transmission.

If the message is transmitted successfully, “Transmission Complete” will be displayed followed by “Store Msg” prompt. Press  to store the message into Outbox.

If the message fails to transmit, “Transmission failed!” will be displayed followed by “Retransmit?” prompt. Press  to accept. Otherwise, press  and press  at “Store Msg” prompt to store the message into Outbox

Inbox

OK-2

Your phone can store up to 40 pages and text messages, regardless of the length of the message. If the message memory is full, a message is displayed and the phone rejects additional messages until you erase the stored messages.

The Messages Menu provides options for reviewing the sender's name / phone number, time / date stamp and the message. When you enter the Inbox menu, the number of new messages displays next to the associated message type in the menu.

Voice

When the voicemail notification displays, press  or  to scroll to the desired voice mail and press to review and re-review the message. If multiple new voicemails are received but not reviewed then only the last received voicemail information will be displayed. The display information will include time / date stamp, number of new voicemails, and callback number.

While reviewing the message, press  to access the following options:

Listen: allows you to listen to voicemail message.
The phone will automatically dial your voicemail box.

Reset: resets the message icon and the counter for new voicemail messages, if desired. (The system resets the counter automatically after you listen to all new messages.)

Text

An indexed list of messages displays. An exclamation point next to the message number indicates an urgent message. A check mark '✓' next to the message number indicates that you have read and stored the message. ':' mark indicates that you have not read the message yet.

Press  or  to scroll to the desired message and press  to review and re-review the message.

While reviewing a message, press  to access the following options. The callback number is displayed on the top line of the display. Press  to place a call to the callback number in the message.

Delete: erases the message from the Inbox.

Reply: replies to the message.

Forward: forwards the message to another party.

Save callback#: saves the callback number to your Phonebook. This option will not be shown if the message does not contain the callback number or the number is already in your Phonebook.

Save address: saves the originated phone number. This option will not be shown if the message does not contain the origination number or the number is already in your Phonebook.

Browser Message

An indexed list of messages displays. An exclamation point next to the message number indicates an urgent message. A check mark '✓' next to the message number indicates that you have read and stored the message. ':' mark indicates that you have not read the message yet.

Press  or  to scroll to the desired message and press  to review and re-review the message.

While reviewing a message, press  to access the Options. Refer to the Options under "Text" on page 108.

Alerts

The phone alerts you when a message is received. You can choose how often you want to be alerted.

Press  or  to select the desired option, and press  to save the setting.

The following options are available:

ONCE: When you receive a message, your phone will ring one time.

EVERY 2MIN: When you receive a message, your phone will ring every two minutes until answered.

OFF: When you receive a message, the phone will not ring, but the New Message indicator  will display when a message is waiting.

Outbox

OK-3

Your phone can store up to 10 outgoing messages into the outbox of the phone regardless of whether the message was successfully transmitted or not. You can review or resend any message stored in the outbox, if needed.

When you enter the Outbox menu, the marker next to the message number represents the transmission status. A check mark '✓' means that the message was successfully transmitted and delivery was acknowledged (Delivery ACK); ':' means that the message is transmitted but is not delivered yet; 'X' means that the message transmission has failed.

Note: This feature may vary depending on the service provider.

Press  or  to scroll to the desired message and press  to review and re-review the message.

The display showing the message status will be presented with 'TX MSG xx (xx; message number)' on top line of the display. The display will include information on transmission status, send-to mobile number, callback number, and the message body.

While reviewing a message, press  to access the following options.

Delete: erases the message from the Outbox.

Resend: resends the message to another party.

Settings

OK-4

Via this menu, you can preset several options for new message transmission and delete all messages.

Callback #: allows you to set the phone number to which the recipient of your SMS message to send you a reply message via your message center, if the service is provided by the network.

Delivery Ack: allows you to activate or deactivate the delivery acknowledgement function. When this function is activated, the network informs you whether your message has been read or not by the recipient.

Note: This function may vary depending on the service provider.

Delete All: deletes all messages stored from the Inbox or the Outbox. When your phone confirms your selection, press .

Message Entry: allows you to set the default message entry mode. You can toggle between Alpha mode and T9(English) mode.

Priority: allows you to set the priority level of messages. **Normal**, **Urgent** and **Emergency** are available.

Voice Mail #: shows your voice mail server number. If necessary, you can change the number. Pressing  allows you to save the number in your Phonebook.

Accessories

Batteries

Two types of Li-ion batteries are available for use with your phone:

- STANDARD Battery
- EXTENDED Battery

Desktop Charger

Desktop charger allows you to recharge your battery with the phone and also an extra battery, if any, simultaneously.

Cigarette Lighter Adapter

The Cigarette Lighter Adapter charges your phone in a vehicle while you drive and enables you to operate the phone from a vehicle cigarette lighter socket.

Hands-Free Car Kit

The Hands-Free Car Kit provides safety, freedom and convenience in your vehicle. (Kit includes Cradle and Microphone.)

Ear-Microphone

The Ear-Microphone includes both the earpiece and microphone in a convenient, lightweight unit.

RS-232C Cable

The RS-232C Cable connects your SCH-N171 to your computer port, allowing you to use Internet or other communication programs.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.*

* In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg(w/kg) averaged over on gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safety exposure.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only SAMSUNG-approved accessories. When carrying the phone while it is on, use the specific SAMSUNG belt-clip that has been tested for compliance.

Use of non-SAMSUNG-approved accessories may violate FCC RF exposure guidelines and should be avoided.

For additional information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC) RF Safety program (select “Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters”):

<http://www.fcc.gov/oet/rfsafety>

Cellular Telecommunications Industry Association (CTIA): <http://www.wow-com.com>

World Health Organization (WHO) International Commission on Non-ionizing Radiation Protection (select Qs & As):
<http://www.who.int/emf>

United Kingdom, National Radiological Protection Board: <http://www.nrpb.org.uk>

U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health:
<http://www.fda.gov/cdrh/consumer/>

Precautions When Using Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only SAMSUNG-approved batteries and recharge your battery only with SAMSUNG-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice-almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, and continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 0-0-0 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 0-0-0 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergencies wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference of danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (20 cm) be maintained between a hand-held wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch off your phone in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all mobile phone equipment on your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of mobile phones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Emergency Calls

Important!

This phone, like any mobile phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (for example, medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 000 or other official emergency number). Emergency numbers vary by location.
3. Press <SEND>.

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, OR any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Glossary

Airtime - Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

Antenna - A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

Base Station - The fixed radio transmitter/receiver that maintains communications with mobile radio telephones within a given area. (Typically seen as cell or cell site)

CDMA - (Code Division Multiple Access) A spread-spectrum approach to digital transmission. With CDMA, each conversation is digitized and then tagged with a code. The mobile phone deciphers only a particular code to pick the right conversation off the air. The transmitted signal is just above noise level across the available bandwidth.

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Call Waiting - Ability to inform users that they have an incoming call when engaged on another call.

Line Identification Services - Services allowing subscribers (Caller ID Display) to view or block the telephone numbers of callers.

Frequency - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal frequency is stated in cycles-per-second or Hertz (Hz).

Hands-Free - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.

LCD - (Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

LED - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger to indicate that battery charging is taking place.

Prepend - The addition of a prefix, such as an area code, to a phone number.

RF - Radio Frequency

Roaming - The ability to use a wireless phone to make and receive calls in places outside of the home service area.

Service Charge - The amount paid each month to receive wireless service.

Soft Keys - Two keys  and  in the web browser, the function of which:

- Varies depending on where you are.
- Is indicated on the bottom line of the display just above the corresponding key.

Standby Time - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. (See Talk Time)

Talk Time - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.

Vocoder - Voice Coder. A device used to convert speech into digital signals.

Voicemail - A computerized answering service that answers a call, plays a greeting and records a message. Depending on the sophistication of the service, it can notify the subscriber, via a pager, of an incoming call or message. (Also called voice messaging)

Wireless - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.

BASIC OPERATION

Make a call	Phone number + SEND
Receive a call	SEND or open the flip
Adjust speaker volume	(In Talk mode) ▲ / ▼ repeatedly
Adjust ring volume	(In Standby mode) ▲ / ▼ repeatedly
Redial last number	SEND twice
Scan the last calls and dial	SEND + Navigation (up or down) + SEND
Activating voice dialing	Press and hold * Or, open the flip cover

INTERNAL PHONE BOOK

Store numbers into memory	Phone number + OK + Select a label + OK + OK + Enter a name - OK + OK (or another location + OK)
Speed dial	<u>One Touch (001-009):</u> Hold down the third digit. <u>Two Touch (010-099):</u> Press the second digit, then hold down the third digit. <u>Three Touch (100):</u> Press the first and the second digit, then hold down the third.
Scan memories	• by name • by location
	Hold down ▼ + ▲ / ▼ + OK Hold down ▲ + ▲ / ▼ + OK



Main Menu (To access, press MENU)

1 : Calls	1 : Outgoing 2 : Incoming 3 : Missed 4 : Erase Logs 5 : Air Time	6 : Display	1 : Backlight 2 : Greeting 3 : Animation 4 : My Phone # 5 : Version
2 : Phone Book	1 : Find Name 2 : Find Entry 3 : Add Entry	7 : Voice Dial	1 : Record 2 : Review 3 : Erase All 4 : Set Active
3 : WEB	1 : Get in Web	8 : Setup	1 : Auto Retry 2 : Auto Answer 3 : Auto Hyphen 4 : Answer Mode 5 : Tone Length 6 : Set Time 7 : Set Nam 8 : System Sel 9 : Data/Fax Mode * : Web Browser
4 : Scheduler	1 : Today 2 : View Month 3 : Jump To Date 4 : To Do List 5 : Countdown 6 : World Time 7 : Calculator 8 : Games	0 : Security	1 : Lock 2 : Restrict 3 : Lock Code 4 : Priority # 5 : PIN 6 : Clr Memory 7 : Hide My # 0 : Reset Phone
5 : Sounds	1 : Ring 2 : Key Volume 3 : Alerts 4 : Alarm 5 : Diff. Ring 6 : PWR-On/Off 7 : Data/Fax Alert		

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